National Nuclear Security Administration

Office of Nonproliferation and International Security (NIS)

Nuclear Security Culture

April 16, 2012

Safeguard and Secure nuclear material to prevent its diversion, theft and sabotage.

Control the spread of WMD-related material, equipment, technology and expertise.

Negotiate, monitor and **verify** compliance with international arms control and nonproliferation treaties.

Develop and implement DOE/NNSA arms control and nonproliferation **policy** to reduce the risk of weapons of mass destruction.

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2010 Nuclear Security Summit -- Communiqué re Nuclear Security Culture

- Acknowledges the need for capacity building for nuclear security
- Advocates nuclear security through technology development, human resource development
- Promotes nuclear security cooperation, assistance at bilateral, regional and multilateral levels

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2012 Nuclear Security Summit -- Communiqué re Nuclear Security Culture

- Foundation of a strong and sustainable nuclear security: provide appropriate and continuous training and education for people with responsibility for protecting nuclear material
- Importance of sharing best practices -- bilateral, multilateral cooperation
- At national level, encourage all stakeholders to commit to enhancing nuclear security culture, maintain strong communication and coordination of activities
- At national level, encourage the participation of all stakeholders in nuclear security discussions as a way to strengthen nuclear security culture
  - government, regulatory bodies, industry, academia, NGOs, media
- Welcome establishment of CoEs, nuclear security support centers and role in providing nuclear security training; encourages establishment of new CoEs
- Welcome IAEA effort to promote networking among CoEs -- share best practices, lessons learned and optimize available resources

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2012 Nuclear Security Summit – MS Actions re Nuclear Security Culture

- Germany : Updating nuclear safety regulations to enhance nuclear security culture; greater integration of nuclear security and safety in training/education for nuclear facility personnel
- Finland : Conducted a national nuclear security culture workshop in 2011; introduced plan to host IAEA international workshop on nuclear security culture this fall
- Russia : Co-hosting with IAEA workshop on nuclear security culture in Russia this summer for professionals from the countries starting to use nuclear energy

International Legal Mandate for Nuclear Security Culture

<u>Convention for the Physical Protection of Nuclear Material (CPPNM), as amended</u>

- Fundamental Principle F: Security Culture. "All organizations involved in implementing physical protection should give due priority to the security culture; to its development and maintenance necessary to ensure its effective implementation in the entire organization”

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INFCIRC/225/Rev5, re Nuclear Security Culture Recommendations

3.48. The foundation of nuclear security culture should be the recognition that a credible threat exists, that preserving nuclear security is important, and that the role of the individual is important.

3.49. The four component groups – the State, organizations, managers in organizations and individuals -- should work together to establish and maintain an effective nuclear security culture.

3.5 The State should promote a nuclear security culture and encourage all security organizations to establish and maintain one. A nuclear security culture should be pervasive in all elements of the physical protection regime.

3.51 All organizations that have a role in physical protection should make their responsibilities known and understood in a statement of security policy issues by their executive management to demonstrate the management's commitment to provide guidelines to the staff and to set out the organizations security objectives. All personnel should be aware of and regularly educated about physical protection.

2005 Bratislava Nuclear Security Initiative

- Enhance Nuclear Security Culture: The Joint Nuclear Security Culture Enhancement Program has developed a number of strategies, including the use of nuclear security evaluation criteria at two Russian sites and two U.S. sites. Efforts are underway to expand this program to a large number of sites in Russia.

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NNSA Engagement in Nuclear Security Culture

- Key role in carrying out nuclear security culture cooperation with Russia as agreed to in Bratislava; other related efforts

- Supported development of the IAEA Nuclear Security Culture document; experts support conducting IAEA Nuclear Security Culture training

- Bilateral consultations and training with international partners